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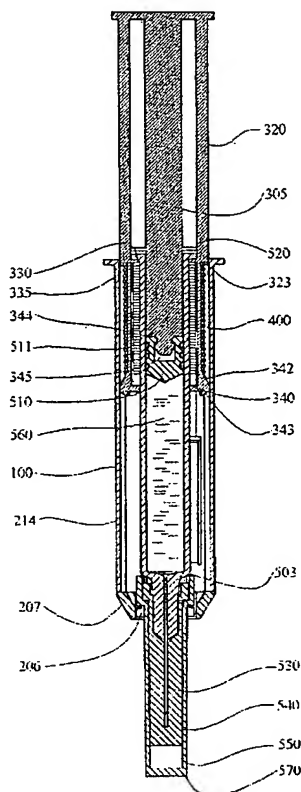
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[Continued on next page]

(54) Title: **SYRINGE WITH AUTOMATICALLY TRIGGERED SAFETY SLEEVE**



(57) Abstract: A medical injection device is provided which includes a shield system and a syringe. The shield system includes a housing (100), a shield (200) telescopically received in the housing (100) and slidably coupled to the housing and a driver (300) that pushes the syringe stopper (510) to cause drug injection. The driver (300) is equipped with sensing elements (342) that automatically detect empty syringe. A spring (400) resiliently urges the shield (200) from a retracted position to an extended position shielding the needle (530). The syringe is coupled to the housing (100). The shield (200) is positioned externally to the syringe and the driver (300). The shield (200) includes flexible latches (210) to keep its position relative to the housing during storage and use. The axial movement of the driver (300) in respect to the syringe causes an automatic release of the spring (500) by sensors (342) when the syringe is empty, allowing the spring (500) to move and lock the shield (200) in the extended position after use.

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